

## WEATHER OF NORTH AMERICA AND ADJACENT OCEANS

## NORTH ATLANTIC OCEAN

By F. A. YOUNG

The following table shows the average sea-level pressure for the month, as well as the highest and lowest barometric readings, at a number of land stations on the coast and islands of the North Atlantic. The readings are for 8 a. m. seventy-fifth meridian time, and the departures are only approximate, as the normals were taken from the Pilot Chart and are based on Greenwich mean noon observations, which correspond to those taken at 7 a. m., seventy-fifth meridian time.

Station	Average pressure	Departure	Highest	Date	Lowest	Date
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>		<i>Inches</i>	
St. Johns, Newfoundland	29.88	-0.12	30.22	Sept. 27	29.42	Sept. 26
Nantucket	30.04	0.00	30.52	Sept. 28	29.66	Sept. 21
Hatteras	30.03	0.00	30.40	Sept. 27	29.78	Sept. 4
Key West	29.97	+0.01	30.06	Sept. 28	29.90	Sept. 15
New Orleans	30.00	+0.02	30.14	Sept. 28	29.86	Sept. 25
Swan Island	29.82	-0.07	29.90	Sept. 2	29.74	Sept. 15
Turks Island	29.98	-0.05	30.06	Sept. 10	29.92	Sept. 21
Bermuda	30.08	+0.03	30.40	Sept. 27	29.80	Sept. 20
Horta, Azores	30.16	-0.01	30.46	Sept. 26	29.92	Sept. 11
Lerwick, Shetland						
Islands	29.75	-0.09	30.20	Sept. 12	28.87	Sept. 20
Valencia, Ireland	30.03	+0.04	30.39	Sept. 27	29.06	Sept. 22
London	29.98	-0.03	30.41	Sept. 13	29.31	Sept. 19

<sup>1</sup> And on other dates.

Over the middle and eastern section of the steamer lanes the number of days with winds of gale force did not differ materially from the normal as shown on the Pilot Chart. West of the fiftieth meridian gales were not reported on more than one day in any five-degree square, and the American coast was apparently practically free from heavy weather.

Fog was again unusually prevalent during the month, especially over the region between the fortieth and fiftieth parallels, west of the forty-fifth meridian, where it was reported on from 8 to 14 days. It also occurred on from 4 to 9 days over the eastern section of the steamer lanes, and somewhat less frequently off the north coast of Ireland, while the air was comparatively clear over the remainder of the British Isles and continental Europe.

On the 1st there were two comparatively shallow depressions over the ocean; the first central near Father Point, Quebec, and the second off the north coast of Scotland. On the 2d the first Low was near St. Johns, Newfoundland, and the second over the North Sea. Moderate gales were reported on both of these days near the respective centers, while moderate weather prevailed over the remainder of the ocean. |

From the 3d to the 10th unusually favorable conditions prevailed over the entire ocean, except that in the evening of the 5th there was a severe squall in the Gulf of Mexico, and also easterly winds of gale force near 40° N., 56° W., while on the 7th St. Johns, Newfoundland, with a barometric reading of 29.54 inches, was near the center of a well-defined depression, southerly winds of force 7 being reported from the easterly quadrants. On the 11th moderate weather continued, except in the vicinity of the Azores, where there was a Low accompanied by moderate gales, as shown by report in table from Norwegian S. S. *Conrad Mohr*. This Low moved but little during the next 48 hours, with the weather conditions practically unchanged. On the 12th a second disturbance developed near 51° N., 32° W., accompanied by gales between the center and European coast, north of the fifty-fifth parallel.

Charts VIII to X show the conditions from the 14th to 16th, inclusive, during which period a disturbance that reached its greatest intensity on the 15th prevailed over the eastern section of the steamer lanes.

The American S. S. *Clearwater*, Capt. John D. Pearson; observer, Robert J. Ernst, from New Orleans to Para, Brazil, encountered on the 14th in 9° 30' N., 50° W., heavy rain squalls from the east with wind force 7 to 9.

On the 17th and 18th moderate weather was the rule over the ocean as a whole.

On the 19th there was one depression near St. Johns, Newfoundland, and a second over the English Channel. The western disturbance developed into one of the most severe of the month, as shown by Charts XI to XIII, for the period from the 20th to 22d, inclusive. From the 23d to 25th moderate weather was general, except that on the 23d and 24th westerly gales were reported from a restricted area over the eastern section of the steamer lanes, and on the 25th there was a Low over Newfoundland that afterwards developed into a severe disturbance. On the 26th this Low was central near 52° N., 53° W., and westerly to northwesterly gales occurred over an extensive region between the fortieth and fifty-fifth parallels and fortieth and sixty-fifth meridians. On the same date winds of moderate gale force were also reported by land stations on the British coast and by vessels in the English Channel.

By the 27th the western disturbance had diminished both in extent and intensity and moderate weather prevailed until the end of the month, except in limited areas over the middle and eastern section of the steamer lanes, where westerly and southwesterly gales were reported on the 29th and 30th.

## Ocean gales and storms, September, 1925

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Highest force of wind and direction	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Saxoline, Br. S. S.	England	New Orleans	57 26 N.	11 14 W.	1st	12.30 a.	1st	29.80	W	W., 8	W	W., 8	Steady.
Parthenia, Br. S. S.	Montreal	Glasgow	53 34 N.	48 31 W.	2d	4 p., 2d	3d	29.75	S	S., 9	S	S., 9	Do.
Baja California, Hond. S. S.	New Orleans	Vera Cruz and return.	22 52 N.	93 35 W.	5th	6 p., 5th	6th	29.77	N	N., 4	SE	E., 8	N.-E.-SE.
Coldbrook, Am. S. S.	do	Havre	41 27 N.	52 55 W.	5th	9 p., 5th	10 p., 5th	29.57	ENE	NE., 9	NE	NE., 9	ENE.-NE.
Conrad Mohr, Nor. S. S.	do	Marseille	37 35 N.	24 48 W.	10th	10 a., 12th	13th	29.87	SE	SE., 7	SE	—, 8	Steady.
Baron Wamyss, Br. S. S.	Quebec	Greenock	55 54 N.	33 30 W.	11th	2a., 12th	13th	29.50	NE	N., 9	WSW	N., 9	NE.-N.
Do	do	do	56 10 N.	13 27 W.	14th	5p., 15th	15th	29.32	S	Calm	NW	S., 10	S.-Calm.-SW.-NW.
Lwow, Pol. Bk.	Cadiz	Rotterdam	48 45 N.	11 35 W.	14th	7a., 14th	15th	29.42	SSE	SSE., 6	WSW	SW., 10	SSE.-WNW.
United States, Dan. S. S.	Oslo	New York	58 33 N.	17 35 W.	15th	10 a., 15th	18th	29.36	SSE	SSE., 7	W	WNW., 9	S.-W.-N.
George Washington, Nor. M. S.	do	Canal Zone	45 09 N.	12 55 W.	18th	8 p., 18th	19th	29.55	WNW	S., 9	NW	SW., 11	S.-W.-N.
Lwow, Pol. Bk.	Cadiz	Rotterdam	50 36 N.	3 00 W.	19th	6a., 19th	19th	29.26	ESE	SW	WSW	SW., 10	ESE.-S.-WSW
Munchen, Ger. S. S.	New York	Cherbourg	45 36 N.	40 19 W.	18th	Mid., 19th	23d	29.51	SW	WSW., 10	NNW	WNW., 11	SW.-W.
Paris, Fr. S. S.	Havre	New York	48 10 N.	43 45 W.	19th	2a., 20th	11 a., 20th	29.25	S	W., 10	WNW	W., 11	SW.-W.
Stockholm, Swed. S. S.	New York	Gothenburg	58 02 N.	5 18 E.	19th	—, 20th	20th	29.12	ESE	SE., 8	SE	SE., 9	ESE.-SSE.
Caronia, Br. S. S.	London	New York	49 38 N.	20 10 W.	21st	4 p., 21st	22d	29.24	W	W., 9	NW	—, 10	SSE.-W.-NNW.
Nubian, Br. S. S.	Liverpool	Philadelphia	50 39 N.	20 14 W.	21st	Mid., 21st	22d	28.94	SSE	WNW., 10	NNW	—, 12	WSW.-W.-WNW.
Vittorio Emanuele III, Am. S. S.	Ireland	Baltimore	52 37 N.	35 29 W.	21st	4 p., 21st	23d	29.35	NW	NW	SW	NW., 9	WNW.-SW.
Hoosac, Br. S. S.	Norfolk	Liverpool	51 36 N.	17 45 W.	21st	4 a., 22d	23d	29.09	SE	NW., 10	NW	NW., 11	SW.-W.-NW.
Persephone, Danz. M. S.	Hamburg	Sabine	49 30 N.	7 00 W.	22d	5 p., 22d	22d	29.06	SW	SW., 10	NW	SW., 10	SSE.-S.-W.
Aral, Br. S. S.	Leith	New York	55 03 N.	31 00 W.	23d	8 p., 23d	24th	29.36	SSE	S., 8	W	—, 9	SSE.-S.-W.
De Grasse, Fr. S. S.	Havre	do	44 46 N.	56 20 W.	25th	11 p., 25th	26th	29.72	SW	NW., 5	NW	NNW., 9	SW.-NW.
Nubian, Br. S. S.	Liverpool	Philadelphia	46 07 N.	41 42 W.	26th	Noon, 26th	26th	29.74	SW	SW., 9	W	—, 9	SW.-W.
Winnebago, Br. S. S.	London	Brunswick, Ga.	50 12 N.	44 10 W.	28th	4 a., 29th	29th	29.68	SW	SW., 9	WSW	SW., 9	SW.-WSW.
Casper, Am. S. S.	Copenhagen	Norfolk	54 25 N.	35 00 W.	28th	2 p., 29th	30th	29.73	SW	SW., 9	W	SW., 9	SW.-NW.-W.
NORTH PACIFIC OCEAN													
Boren, Swed. S. S.	Philippine Islands	San Francisco	17 23 N.	135 32 E.	Aug. 31	5 p., 1st	Sept. 2	29.12	N	S., 10	S	S., 10	N.-W.-S.
Steelmaker, Am. S. S.	Honolulu	Iloilo, P. I.	18 14 N.	144 15 E.	1st	4 p., 1st	4th	29.55	SSE	SSW	SW	SW., 7	S.-SW.
Salina, Am. S. S.	Los Angeles	Manila	22 03 N.	133 28 E.	2d	4 p., 4th	4th	29.45	SSE	S., 7	S	S., 8	SSE.-S.
Teucer, Br. S. S.	Japan	Hankow	31 24 N.	129 00 E.	5th	6 p., 6th	7th	29.40	ESE	S., 11	W	S., 11	S.-W.
President Hayes, Am. S. S.	San Francisco	Kobe	33 28 N.	128 50 E.	6th	2 a., 7th	7th	28.84	SE	SSE., 12	WNW	SE., 12	SE.-S.-SW.
M. H. Whittier, Am. S. S.	Iquique	San Pedro	See text.	—	8th	—	9th	29.75	SW	—	SW	SW., 12	—
Do	do	do	See text.	—	12th	6 a., 14th	14th	29.44	SW	SW., 11	SW	SW., 11	—
Edgemoor, Am. S. S.	San Francisco	Balboa	8 05 N.	85 15 W.	13th	10 p., 13th	14th	29.54	ENE	ENE., 8	SE	ENE., 8	ENE.-ESE.
Betterton, Am. S. S.	do	Iquique	16 09 N.	105 30 W.	14th	5 a.	14th	29.51	—	—	—	—	—
China Arrow, Am. S. S.	Shanghai	San Francisco	40 38 N.	125 00 W.	12th	10th	16th	29.53	NNW	SE., 8	SE	SE., 8	SE.-SSW.
Waltemata, Br. S. S.	Auckland	Vancouver	44 07 N.	130 18 W.	15th	8 a., 16th	16th	29.27	WNW	NW	NNE	NW., 9	WNW.-NW.
Java Arrow, Am. S. S.	San Pedro	Woodsong	31 07 N.	124 40 W.	16th	8 a., 17th	17th	29.71	SE	N., 8	N	NE., 9	NE.-NW.
Havre Maru, Jap. S. S.	Yokohama	San Francisco	41 40 N.	132 50 W.	16th	1 a., 17th	17th	29.71	NW	NNW., 9	NNW	NNW., 9	Steady.
Pioneer, U. S. S.	Cruising in Alaskan waters.	—	54 57 N.	162 25 W.	17th	6 a., 19th	21st	29.08	E	S., 1	NW	NW., 10	SE.-S.
West Nomentum, Am. S. S.	Japan	San Francisco	49 00 N.	168 00 E.	18th	Mid. 18th	19th	29.50	N	NNW., 9	NNW	NNW., 9	Steady.
West Jessup, Am. S. S.	Portland	Yokohama	50 00 N.	172 40 E.	18th	8 p., 18th	19th	29.04	NNW	NW	NNW	NNW., 10	NW.-N.
Africa Maru, Jap. S. S.	Yokohama	Victoria	41 15 N.	153 00 E.	18th	4 a., 19th	20th	29.97	ENE	ESE., 8	SSE	SE., 8	E.-SE.
West Sequana, Am. S. S.	Manila	San Francisco	41 15 N.	167 35 E.	28th	4 a., 29th	30th	29.46	W	W., 8	W	W., 8	Steady.
West Jens, Am. S. S.	Kobe	Portland	31 48 N.	138 00 E.	29th	11 p., 30th	Oct. 1	29.13	E	S., 12	WNW	S., 12	SE.-S.-SW.
SOUTH PACIFIC OCEAN													
Eastern Moon, Am. S. S.	Panama	Sydney, Australia.	31 20 S.	171 50 E.	Aug. 31	3 p., 1st	Sept. 1	29.35	NNW	W., 7	SSE	NW., 9	NW.-SW.
SOUTH ATLANTIC OCEAN													
Nairnbank, Br. S. S.	Texas	Cape Town	33 54 S.	17 45 E.	9th	4 p.	9th	29.88	NW	NW., 9	NW	NW., 9	Steady.
Lorraine Cross, Am. S. S.	Buenos Aires	New Orleans	29 56 S.	48 16 W.	22d	22d	23d	29.88	NE	NE., 8	WNW	NW., 8	NE.-N.

<sup>1</sup> Reading uncorrected.<sup>2</sup> Regular observation only.

## NORTH PACIFIC OCEAN

By WILLIS EDWIN HURD

A considerable change from the general atmospheric sluggishness of August occurred during September. The great anticyclone of the eastern Pacific, which had persisted for several months with very little disintegration, continued to be fairly well established, though its average pressure was lower than normal. However, cyclonic activities without, and incipient depressions within, its

area indicated that brisker and more unstable conditions were in operation.

In higher latitudes several active cyclones moved eastward over the Aleutians, the adjoining waters, and Alaska. They occurred principally during the second decade, and lacked the fluctuating characteristics of the average Low of the region. For the month the pressure over this portion of the sea was considerably above the normal.

Cyclones formed and moved more freely over middle and higher latitudes, and thus gales became more fre-